

<i>E. coli</i> DNA	13858±3143
Calf Thymus DNA	<50
CpG S-ODN	20715±606
non-CPG S-ODN	<50

Mice (2 mice/group) were i.v. injected with 100 µl of PBS, 200 µg of *E. coli* DNA or calf thymus DNA, or 500 µg of CpG S-ODN or non-CpG control S-ODN. Mice were bled 2 hr after injection and 1:10 dilution of each serum was analyzed of IL-6 ELISA. Sensitivity limit of IL-6 ELISA was 5 pg/ml. Sequences of the CpG S-ODN is 5'GCATGACGTTGAGCT3' (SEQ. ID. No: 6) and of the non-stimulatory S-ODN is 5'GCTAGATGTTAGCGT3' (SEQ. ID. NO: 4). Note that although there is a CpG in sequence 48, it is too close to the 3' end to effect stimulation, as explained herein. Data represent mean ±SD of duplicates. The experiment was done at least twice with similar results.

Please substitute the following paragraph for the paragraph beginning on page 41, line

10.

Table 13. Induction of human IL-12 secretion by Phosphorothioate CpG ODN

ODN	sequence (5'-3')	SEQ ID NO:	IL-12 (pg/ml)	
			expt. 1	expt. 2
cells alone			0	0
1962	TCCTGTCGTTCCCTTGTCGTT	52	19	0
1965	TCCTGTCGTTTTTTTGTCGTT	53	36	0
1967	TCGTCGCTGTCTGCCCTTCTT	119	41	0
1968	TCGTCGCTGTGTGTCGTTTCTT	120	24	0
2005	TCGTCGTTGTGTCGTTGTCGTT	47	25	0
2006	TCGTCGTTTTGTGTCGTTTTGTCGTT	46	29	15
2014	TGTCGTTGTGTCGTTGTCGTT	50	28	0
2015	TCGTCGTCGTCGTT	51	14	0
2016	TGTCGTTGTGTCGTT	85	3	0

PBMC were collected from normal donors and spun over Ficoll, then cultured at 10^6 cells/well in 96 well microtiter plates with or without the indicated ODN which were added to cultures at 6 µg/ml. Supernatants were collected at 24 hr and tested for IL-12 levels by ELISA as described in methods. A standard curve was run in each experiment, which represents a different donor.

Applicants have attached marked-up versions of the paragraphs below, with inserted text underlined.